

ABSTRACT OF THE DISCLOSURE

The invention provides a method of functionalizing the sidewalls of a plurality
5 of carbon nanotubes with oxygen moieties, the method comprising: exposing a carbon
nanotube dispersion to an ozone/oxygen mixture to form a plurality of ozonized
carbon nanotubes; and contacting the plurality of ozonized carbon nanotubes with a
cleaving agent to form a plurality of sidewall-functionalized carbon nanotubes.

10

15

20

179853_1